

1 WHAT IS CLAIMED IS:

2 1. A skateboard comprising:

3 a board body having a bottom provided with a base;

4 the base having a bottom provided with two opposite wheel seats;

5 each of the two wheel seats including a wheel axle for mounting a

6 roller;

7 wherein, the wheel axle of each of the two wheel seats has a center

8 located at a height different from that of a center of the respective wheel seat,

9 thereby forming an eccentric state, so that each roller has independent

10 horizontal and vertical displacement.

11 2. The skateboard in accordance with claim 1, further comprising:

12 a main seat mounted between the base and the two wheel seats;

13 a main seat restoring device mounted between the base and the main

14 seat; and

15 two wheel seat restoring devices each mounted between the main

16 seat and a respective one of the two wheel seats.

17 3. The skateboard in accordance with claim 2, wherein the main seat

18 has a top rotatably mounted on a bottom of the base by a base pivot shaft.

19 4. The skateboard in accordance with claim 3, wherein the top of the

20 main seat is formed with a base receiving portion, the bottom of the base is

21 formed with an inverted V-shaped connecting portion rotatably mounted on

22 the base receiving portion of the main seat.

1 5. The skateboard in accordance with claim 4, wherein the
2 connecting portion of the base has a first side rotatably mounted on a first side
3 of the base receiving portion of the main seat and a second side provided with
4 an urging portion having a distal end formed with a protruding retaining edge,
5 the base receiving portion of the main seat has a second side provided with a
6 U-shaped urging portion, and the main seat restoring device is clamped
7 between the urging portion of the connecting portion of the base and the urging
8 portion of the base receiving portion of the main seat and is retained by the
9 retaining edge, so that the main seat has an automatically restoring function.

10 6. The skateboard in accordance with claim 5, wherein the first side
11 of the base receiving portion of the main seat is formed with an arcuate guide
12 edge, and the first side of the connecting portion of the base is formed with an
13 arcuate guide edge rested on the guide edge of the base receiving portion.

14 7. The skateboard in accordance with claim 5, wherein the main seat
15 restoring device includes a restoring member made of an elastic block.

16 8. The skateboard in accordance with claim 5, wherein the base pivot
17 shaft is extended through the first side of the connecting portion of the base and
18 the first side of the base receiving portion of the main seat and has a distal end
19 screwed with a fixing member, so that the main seat can be rotated on the base
20 about the base pivot shaft.

21 9. The skateboard in accordance with claim 8, further comprising a
22 bushing made of wear-resistant material mounted on the base pivot shaft and

1 located between the first side of the connecting portion of the base and the first
2 side of the base receiving portion of the main seat.

3 10. The skateboard in accordance with claim 2, wherein each of the
4 two wheel seats is rotatably mounted on a bottom of the main seat by a wheel
5 seat pivot shaft.

6 11. The skateboard in accordance with claim 10, wherein the wheel
7 axle of each of the two wheel seats is located at a height different from that of
8 the respective wheel seat pivot shaft, thereby forming an eccentric state, so that
9 each roller on the wheel axle has independent horizontal and vertical
10 displacement and has independent buffer displacement.

11 12. The skateboard in accordance with claim 10, wherein each of the
12 two wheel seats has a mediate portion formed with a shaft passage portion
13 having a center formed with a shaft hole, the wheel seat pivot shaft is extended
14 through the shaft hole of the shaft passage portion of each of the two wheel
15 seats and through the main seat and has two ends each protruding outward
16 from a respective one of the two wheel seats and each screwed with a threaded
17 fixing member so that each of the two wheel seats can be rotated on the main
18 seat about the wheel seat pivot shaft.

19 13. The skateboard in accordance with claim 10, wherein the bottom
20 of the main seat has two ends each provided with a wheel seat receiving
21 portion, the wheel seat receiving portion of the main seat has a first end formed
22 with a guide channel, a second end formed with a receiving channel, and a

1 mediate portion formed with a partition located between the guide channel and
2 the receiving channel.

3 14. The skateboard in accordance with claim 13, wherein each of the
4 two wheel seats is mounted in the wheel seat receiving portion of the main seat
5 and has a first end formed with a protruding restoring portion movably
6 mounted in the guide channel of the wheel seat receiving portion of the main
7 seat, the restoring portion of each of the two wheel seats has a first side formed
8 with a locking edge that can be moved to abut a wall of the guide channel of the
9 wheel seat receiving portion of the main seat and a second side formed with a
10 resting edge that can be moved to abut the partition of the wheel seat receiving
11 portion of the main seat.

12 15. The skateboard in accordance with claim 14, wherein each of the
13 two wheel seats has a second end for passage of the respective wheel axle.

14 16. The skateboard in accordance with claim 14, wherein each of the
15 two wheel seat restoring devices includes a restoring member mounted in the
16 receiving channel of the wheel seat receiving portion of the main seat and
17 urged between the partition and a wall of the receiving channel, and an urging
18 seat movably mounted in the receiving channel of the wheel seat receiving
19 portion of the main seat and having a first side formed with a fixing portion
20 fixed on a first end of the restoring member and a second side formed with an
21 urging portion urged on the resting edge of the restoring portion of the
22 respective wheel seat, the urging seat is rested on the partition of the wheel seat

1 receiving portion of the main seat, and the urging portion of the urging seat is
2 extended through the partition of the wheel seat receiving portion of the main
3 seat.

4 17. The skateboard in accordance with claim 16, wherein each of the
5 two wheel seat restoring devices further includes an adjusting seat movably
6 mounted in the receiving channel of the wheel seat receiving portion of the
7 main seat and having a first side formed with a fixing portion fixed on a second
8 end of the restoring member and a second side rested on a wall of the receiving
9 channel of the wheel seat receiving portion of the main seat.

10 18. The skateboard in accordance with claim 17, wherein each of the
11 two wheel seat restoring devices further includes an adjusting screw screwed
12 into the wall of the receiving channel of the wheel seat receiving portion of the
13 main seat and having an end formed with an urging face urged on the second
14 side of the adjusting seat, the second side of the adjusting seat is formed with a
15 depression to receive the urging face of the adjusting screw.

16 19. The skateboard in accordance with claim 1, further comprising an
17 adjusting member mounted between the board body and the fixing portion of
18 the base for adjusting the distance between the board body and the base.

19 20. The skateboard in accordance with claim 12, wherein the second
20 end of each of the two wheel seats is provided with an extension arm extended
21 from the shaft passage portion.